

# HI EP Floor Screed Plus

## Product data sheet

### Characteristics & Specification Data

Description	HI EP Floor Screed Plus is a three -pack, solvent-free epoxy , mortar/ repair system.
Characteristics	Provides good adhesion and elasticity.
Area of application	HI EP Floor Screed Plus is designed to correct/ fill up steel before application of coating on platform and ships deck. Recommended as underflooring for HI EP Deck coat
Color	Clear
Finish	N/A
Substrate	Apply on clean epoxy surfaces
Topcoats	Can be overpainted with solvent-free epoxy.
Dry Film Thickness	N/A
Wet Film Thickness	N/A
Solids Content	> 99%
Theoretical Coverage Rate	21 kg/m <sup>2</sup> (at Average thickness = 10mm)
Recommended Thickness	1—50mm
Dry Temperature Resistance	Softens if more than 60°C.
Quartz sand	Floor Screed sand size 0,3-0,7mm

### Surface Preparation

General	Surface cleaned and prepared.
Steel	Steel substrate must be sandblasted to Sa 2½ and be dry, clean and dust free. Primer to steel substrate: HI EP Sealer
Concrete	N.A.

### Application and Equipment

Equipment	HI EP Floor Screed is applied in the desired thickness with a steel trowel and straightedge.  Note! If the layer thickness is above 1 cm, it is important to compress the mortar.  Smooth the surface with a steel trowel. Dry areas, must be saturated with epoxy prior to further coating application.
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### Mixing and Thinning

Mixing	Step 1 Mix part A (6,7kg) and part B (3,3 kg) thoroughly with mechanical mixer for > 1 minute Step 2 Mix Epoxy liquid and quartz sand. Mixing ratio: epoxy: sand 10:45 Method: Paddle mixer → add the sand and mix it together into a smooth mass.
Mixing ratio	Mix part A (6,7kg) and part B (3,3 kg), part C (25 kg bag) Quartz sand 0,3-0,7mm Floor screed. Mix ratio: 10kg A+B + 40kg Quartz sand
Thinning	<b>Do not use any thinner.</b>
Pot Life	45 minutes at 20 °C.

### Cleaning & Safety

Cleaning	Tools may be cleaned by use of an aromatic solvent such as xylene, toluene or ethylacetate.
Safety	Protective clothing for working with epoxy.
Ventilation	Good ventilation when heating of rooms.
Caution	Consult material safety data sheet.

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### Application Conditions

	Coating	Surface	Ambient	Humidity
<b>Normal</b>	15-20°C	15-35°C	15-25°C	<85%
<b>Minimum</b>	10°C	5°C	5°C	30%
<b>Maximum</b>	30°C	45°C	45°C	85%

Do not apply when surface temperature is less than 3°C above dew point.

### Technical Data

At 20°C and 50% RH (relative humidity)

Tack free	9 h.
Fully cured	4-10 days.
Specific gravity	2,1 g/cm <sup>3</sup> (part A—part B - quartz sand mixed)
Impact resistance	N/A
Tensile strength	N/A
E-modulus	-
Adhesive strength	N/A
Viscosity	N/A

### Curing Schedule

Temperature	Recoating
5°C	32 h
10°C	18 h
20°C	9 h

### Packaging & Storage

Sales Unit :	10 kg set. Part A (6,7 kg) Part B (3,3 kg)
Quarts sand :	25 kg (bag)
Storage (General)	To be stored unopened and under dry conditions.
Storage Temperature & Humidity	Storage temperature should be kept between 5-40 °C.
Shelf Life	36 months at max 23°C.

### Further information

When other products are to be used together with this material, the technical data sheets must be checked. This is to make sure they are compatible with each other.

After many years experience, Hummervoll Industribelegg AS has a very good technical and practical knowledge. We are happy to assist with our expertise.

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